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SEP 08 2005

Amendments to the Specification:

Please replace the sentence on page 12, lines 13-14, with the following amended:

It suggested that *C. utilis* BIO2 gene obtained from Example 2 was correct due to the enzyme activity (regardless of protein with incomplete ~~352294~~ amino acids or complete ~~395233~~ amino acids).

Please amend the sentence starting on p. 14, line 24 as follows:

Besides 23 ng/ml biotin originally biotin originally present in YPD medium, only ~~8.231.2~~ ng/ml biotin is produced by the wild type (WT) yeast.

Please amend the Table on p. 15, Table 1 as follows:

|         | Culture Broth   |                   |                                   |                     | Cell Extract   |                     |             |
|---------|-----------------|-------------------|-----------------------------------|---------------------|----------------|---------------------|-------------|
|         |                 | YPD<br>(ng/ml)    | $\frac{OD_{600}}{OD_{550}}$<br>nm | YPD(CHY)<br>(ng/ml) | YPD<br>(ng/ml) | YPD(CHY)<br>(ng/ml) | incubator   |
| YPD     |                 | 23                |                                   |                     |                |                     |             |
| WT      | 8.72            | <del>2631.2</del> |                                   |                     | 5.3            |                     |             |
| m9-101  | 9.05            | 860               | 8.04                              | 660                 | 66             | 63                  | Flask(50ml) |
| m9-102  | 8.75            | 760               | 2.28                              | 714                 | 86             | 7.3                 | Flask(50ml) |
| m9-103  | 5.12            | 920               |                                   |                     |                |                     | Tube(3ml)   |
| m9-104  | 8.40            | 1010              |                                   |                     |                |                     | Tube(3ml)   |
| m9-105  | 8.90            | 900               |                                   |                     |                |                     | Tube(3ml)   |
| m9-106  | 6.00            | 750               |                                   |                     |                |                     | Tube(3ml)   |
| m9-107  | 5.96            | 460               |                                   |                     |                |                     | Tube(3ml)   |
| m21-101 | 8.44            | 600               | 2.56                              | 620                 | 98             | 6                   | Flask(50ml) |
| m21-102 | 6.28            | 802               | 4.72                              | 964                 | 111            | 13                  | Flask(50ml) |
| m21-103 | 3.60            | 420               |                                   |                     |                |                     | Tube(3ml)   |
| m21-104 | 8.54            | 720               |                                   |                     |                |                     | Tube(3ml)   |
| m21-105 | <del>8.38</del> | 430               |                                   |                     |                |                     | Tube(3ml)   |
| m21-106 | 4.86            | 560               |                                   |                     |                |                     | Tube(3ml)   |